



BLAST 2 SEQUENCES RESULTS

Query: SEQ ID NO:1 of Serial No. 60/216,523

Subject: SEQ ID NO:1 of Serial No. 09/899,532

Score = 3288 bits (1710), Expect = 0.0

Identities = 1710/1710 (100%)

Strand = Plus / Plus

Query:	1	tggccctcgaggccaagaattcggcacgaggaggcgggggagccagaggcgccaggaccct	60
Sbjct:	1	tggccctcgaggccaagaattcggcacgaggaggcgggggggg	60
Query:	61	cgcgtggcgctccagcaccccagaccgtggcggcgcctcgccttagggaagagcaaggga	120
Sbjct:	61	cgcgtggcgctccagcaccccagaccgtggcggcgcctcgccttagggaagagcaaggga	120
Query:	121	agaactttatttgaaccgcgaacattttttggtcactgagatcgagtctcccagtgcttt	180
Sbjct:	121	agaactttatttgaaccgcgaacattttttggtcactgagatcgagtctcccagtgcttt	180
Query:	181	ggetteeegeetetttategtgggtttgateeetgagetgeteteettteeegaacetee	240
Sbjct:	181		240
Query:	241	cggggtgcagcctagagccctcccgcgcggctgactccagagtagaggaagggaggcggc	300
Sbjct:	241		300
Query:	301	ctccggctggtcccccgaagccctcgctgccccgcagatgcggatggccagcca	360
Sbjct:	301		360
Query:	361	35-35-35	420
Sbjct:	361	ggcggtggccccgcgtcccgggagcgcacagcaatgcaggcgcttaacattaccccggag	420
Query:	421	cagtteteteggetgetgegggaceacaacetgaegegggageagtteategetetgtae	480
Sbjct:			

Query:	481	cggctgcgaccgctcgtctacaccccagagctgccgggacgcgccaagctggccctcgtg	540
Sbjct:	481	cggctgcgaccgctcgtctacaccccagagctgccgggacgcgccaagctggccctcgtg	540
Query:		ctcaccggcgtgctcatcttcgccctggcgctctttggcaatgctctggtgttctacgtg	600
Sbjct:	541	ctcaccggcgtgctcatcttcgccctggcgctctttggcaatgctctggtgttctacgtg	600
Query: Sbjct:		gtgacccgcagcaaggccatgcgcaccgtcaccaacatctttatctgctccttggcgctc	
Query: Sbjct:		agtgacctgctcatcaccttcttctgcattcccgtcaccatgctccagaacatttccgac	
Query:	721	aactggctggggggtgctttcatttgcaagatggtgccatttgtccagtctaccgctgtt	780
Sbjct:		aactggctggggggtgctttcatttgcaagatggtgccatttgtccagtctaccgctgtt	
Query:	781	gtgacagaaatcctcactatgacctgcattgctgtggaaaggcaccagggacttgtgcat	840
Sbjct:	781	gtgacagaaatcctcactatgacctgcattgctgtggaaaggcaccagggacttgtgcat	840
Query:		ccttttaaaatgaagtggcaatacaccaaccgaagggctttcacaatgctaggtgtggtc	900
Sbjct:	841	ccttttaaaatgaagtggcaatacaccaaccgaagggctttcacaatgctaggtgtggtc	900
Query: Sbjct:		tggctggtggcagtcatcgtaggatcacccatgtggcacgtgcaacaacttgagatcaaa	
Sbjct:		tatgacttcctatatgaaaaggaacacatctgctgcttagaagagtggaccagccctgtg	
Query:	1021	caccagaagatctacaccaccttcatccttgtcatcctcttcctcctgcctcttatggtg	1080
Sbjct:	1021		1080
Query:	1081	atgcttattctgtacagtaaaattggttatgaactttggataaagaaaagagttggggat	1140
Sbjct:	1081	atgcttattctgtacagtaaaattggttatgaactttggataaagaaaagagttggggat	1140

Query:	1141	ggttcagtgcttcgaactattcatggaaaagaaatgtccaaaatagccaggaagaagaaa	1200
Sbjct:	1141	ggttcagtgcttcgaactattcatggaaaagaaatgtccaaaatagccaggaagaagaaa	1200
Query:	1201	cgagctgtcattatgatggtgacagtggtggctctctttgctgtgtgctgggcaccattc	1260
Sbjct:	1201	cgagctgtcattatgatggtgacagtggtggctctctttgctgtgtgctgggcaccattc	1260
Query:	1261	catgttgtccatatgatgattgaatacagtaattttgaaaaggaatatgatgatgtcaca	1320
Sbjct:	1261		1320
Query:	1321	atcaagatgatttttgctatcgtgcaaattattggattttccaactccatctgtaatccc	1380
Oueru	1321	attgtctatgcatttatgaatgaaaacttcaaaaaaaatgttttgtctgcagtttgttat	1440
		attgtctatgcatttatgaatgaaaacttcaaaaaaaatgttttgtctgcagtttgttat	
-		tgcatagtaaataaaaccttctctccagcacaaaggcatggaaattcaggaattacaatg	
SDJCT:	1441	tgcatagtaaataaaaccttctctccagcacaaaggcatggaaattcaggaattacaatg	1500
Query:	1501	atgcggaagaaagcaaagttttccctcagagagaatccagtggaggaaaccaaaggagaa	1560
Sbjct:	1501	atgcggaagaaagcaaagttttccctcagagagaatccagtggaggaaaccaaaggagaa	1560
Query:	1561	gcattcagtgatggcaacattgaagtcaaattgtgtgaacagacag	1620
Sbjct:	1561	gcattcagtgatggcaacattgaagtcaaattgtgtgaacagacag	1620
Query:	1621	ctcaaacgacatcttgctctctttaggtctgaactggctgagaattctcctttagacagt	1680
Sbjct:	1621		1680
Query:	1681	gggcattaattataacaatatcttcataat 1710	•
Sbjct:	1681	gggcattaattataacaatatcttcataat 1710	

BLAST 2 SEQUENCES RESULTS

Query: SEQ ID NO:2 of Serial No. 60/216,523

Subject: SEQ ID NO:2 of Serial No. 09/899,532

Score = 865 bits (2235), Expect = 0.0 Identities = 431/431 (100%), Positives = 431/431 (100%)

Query:	1	MQALNITPEQFSRLLRDHNLTREQFIALYRLRPLVYTPELPGRAKLALVLTGVLIFALAL MQALNITPEQFSRLLRDHNLTREQFIALYRLRPLVYTPELPGRAKLALVLTGVLIFALAL	60
Sbjct:	1	MQALNITPEQFSRLLRDHNLTREQFIALYRLRPLVYTPELPGRAKLALVLTGVLIFALAL	60
Query:	61 .	FGNALVFYVVTRSKAMRTVTNIFICSLALSDLLITFFCIPVTMLQNISDNWLGGAFICKM FGNALVFYVVTRSKAMRTVTNIFICSLALSDLLITFFCIPVTMLONISDNWLGGAFICKM	120
Sbjct:	61	FGNALVFYVVTRSKAMRTVTNIFICSLALSDLLITFFCIPVTMLQNISDNWLGGAFICKM	120
Query:	121	VPFVQSTAVVTEILTMTCIAVERHQGLVHPFKMKWQYTNRRAFTMLGVVWLVAVIVGSPM VPFVQSTAVVTEILTMTCIAVERHQGLVHPFKMKWQYTNRRAFTMLGVVWLVAVIVGSPM	180
Sbjct:	121	VPFVQSTAVVTEILTMTCIAVERHQGLVHPFKMKWQYTNRRAFTMLGVVWLVAVIVGSPM	180
Query:	181	WHVQQLEIKYDFLYEKEHICCLEEWTSPVHQKIYTTFILVILFLLPLMVMLILYSKIGYE WHVQQLEIKYDFLYEKEHICCLEEWTSPVHQKIYTTFILVILFLLPLMVMLILYSKIGYE	240
Sbjct:	181	WHVQQLEIKYDFLYEKEHICCLEEWTSPVHQKIYTTFILVILFLLPLMVMLILYSKIGYE	240
Query:	241	LWIKKRVGDGSVLRTIHGKEMSKIARKKKRAVIMMVTVVALFAVCWAPFHVVHMMIEYSN LWIKKRVGDGSVLRTIHGKEMSKIARKKKRAVIMMVTVVALFAVCWAPFHVVHMMIEYSN	300
Sbjct:	241	LWIKKRVGDGSVLRTIHGKEMSKIARKKKRAVIMMVTVVALFAVCWAPFHVVHMMIEYSN	300
Query:	301	FEKEYDDVTIKMIFAIVQIIGFSNSICNPIVYAFMNENFKKNVLSAVCYCIVNKTFSPAQ FEKEYDDVTIKMIFAIVQIIGFSNSICNPIVYAFMNENFKKNVLSAVCYCIVNKTFSPAQ	360
Sbjct:	301	FEKEYDDVTIKMIFAIVQIIGFSNSICNPIVYAFMNENFKKNVLSAVCYCIVNKTFSPAQ	360
Query:	361	RHGNSGITMMRKKAKFSLRENPVEETKGEAFSDGNIEVKLCEQTEEKKKLKRHLALFRSE RHGNSGITMMRKKAKFSLRENPVEETKGEAFSDGNIEVKLCEOTEEKKKLKRHLALFRSE	420
Sbjct:	361	RHGNSGITMMRKKAKFSLRENPVEETKGEAFSDGNIEVKLCEQTEEKKKLKRHLALFRSE	420
Query:	421	LAENSPLDSGH 431	
Sbjct:	421	LAENSPLDSGH 431	